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Mr. Richard Schassburger
Department of Energy
Rocky Flats Office
P.O. Box 928
Golden, Colorado 80402-0928

RE: Quarterly Report for OU 1 IM/IRA

Dear Mr. Schassburger:

EPA has reviewed the first Quarterly Report for the Operable Unit (OU) 1 Interim Measure/Interim Remedial Action (IM/IRA) Facility, dated April 1993. In general, this report provides much of the data and documentation that was specified in the IM/IRA French Drain Performance Monitoring Plan (FDPMP). However, as the report states, there are some data gaps and analyses that must be addressed before conclusions regarding the effectiveness of the system can be made.

In order to make a complete assessment of the IM/IRA system, EPA needs more information on the 13 wells that were installed for monitoring purposes, as well as the collection well. This would include all well logs showing well construction, lithology, elevations, and soil sampling. The report is also unclear as to which wells were sampled for groundwater and whether the samples were analyzed for the full suite of parameters listed in Table 2-1 of the FDPMP. All analytical results for these samples, including the samples that were to have been collected subsequent to development and the specified quality control samples must be provided on diskette to EPA. In hard copy, only summary tables that list detected contaminant concentrations and a description of sampling activities are necessary. A discussion of the levelopment of the collection well should also be provided.

Concerning influent flowrates, since the 881 footing drain lowrates were measured frequently as shown in Chart 1, a alculation should be made to estimate the amount of water that his source contributed in comparison with the total volume of influent. Listed below are other specific suggestions for improvement of the quarterly report.

- Include a water table elevation map.
- Further investigate both MW-1 and MW-2 to determine why both wells are not dry.
- Describe whether water from other sources is treated separately, and if so, what were the contaminant levels before and after treatment.
- Water levels, ground levels, plugged back well depth, and top of casing in the charts of Appendix A should be reported as elevations above sea level.

ions above sea level.

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If you have any questions concerning these matters, please contact Gary Kleeman of my staff at 294-1071.

Sincerely,

Martin Hestmark, Manager Rocky Flats Project

cc: P. Singh, DOE

C. Gee, EG&G M. Burmeister, EG&G J. Schieffelin, CDH